

Title (en)
SOMATIC EMBRYOGENESIS OF SQUASH.

Title (de)
SOMATISCHE EMBRYOGENESE VON KÜRBISSEN.

Title (fr)
EMBRYOGENESE SOMATIQUE DES COURGES.

Publication
EP 0491733 B1 19941130

Application
EP 90912762 A 19900822

Priority
• US 9004692 W 19900822
• US 41052789 A 19890920
• US 43424589 A 19891113

Abstract (en)
[origin: WO9104332A1] A method involving somatic embryogenesis of various squash (Cucurbita pepo L) tissues is described which can be used for the regeneration of normal squash plants. This regeneration method is also used for the transfer and integration of genetic materials into the genome of squash plants, which belong to the family Cucurbitaceae, followed by regeneration of such transformed plants. Thus regenerated transformed whole squash plants are produced by this method.

IPC 1-7
C12N 15/82; **A01H 4/00**

IPC 8 full level
A01H 1/00 (2006.01); **A01H 1/04** (2006.01); **A01H 4/00** (2006.01); **C12N 5/04** (2006.01); **C12N 5/10** (2006.01); **C12N 15/00** (2006.01); **C12N 15/82** (2006.01)

CPC (source: EP US)
A01H 4/00 (2013.01 - EP US); **A01H 4/005** (2013.01 - EP US); **A01H 4/008** (2013.01 - EP US); **C12N 5/04** (2013.01 - EP US); **C12N 15/8205** (2013.01 - EP US)

Citation (examination)
• Commonwealth Agricultural Bureau, 871657363 CAB, Quest Acc. no. 87245434, S. Jelaska; Berlin; Springer-Verlag, 1986, p. 371-386, 485-519, Many ref. in English (JA: 8703)
• Biological Abstracts, vol. 80, 1985, Jelasca, Sibila; s. p. AB-819, abstract 89878, & Physiol. Plant 64(2): 237-242; 1985
• Commonwealth Agricultural Bureau, 871658967 CAB, Quest Acc. No. 87251406 R.D. Vaulx et al. & Genetic manipulation in plant breeding. Proceedings international symposium organized by Eucarpia, Sept. 8-13, 1985, Berlin (West), Germany, Walter de Gruyter, 1986, P. 195-297

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 9104332 A1 19910404; AT E114720 T1 19941215; AU 6284090 A 19910418; DE 69014644 D1 19950112; DE 69014644 T2 19950504; DK 0491733 T3 19950508; EP 0491733 A1 19920701; EP 0491733 B1 19941130; ES 2065545 T3 19950216; JP H05500308 A 19930128; US 5677157 A 19971014

DOCDB simple family (application)
US 9004692 W 19900822; AT 90912762 T 19900822; AU 6284090 A 19900822; DE 69014644 T 19900822; DK 90912762 T 19900822; EP 90912762 A 19900822; ES 90912762 T 19900822; JP 51207990 A 19900822; US 34975994 A 19941205